

04 points on the carrier, while another part of the eluate is simultaneously diverted through a mass spectrometer or an NMR spectrometer or an IR spectrometer for spectroscopy.

07 24. (Amended) Method according to Claim 20 [or 21], characterized in that the chromatographic separation of the mixture of substances into single substance zones takes place by thin-layer chromatography or electrophoresis on the carrier, and spectra are recorded from the single substance zones by MALDI mass spectroscopy or raman spectroscopy or other spectroscopic methods such as UV-VIS or IR before the carrier is covered with the sensor layer.

25. (Amended) Apparatus for detecting the biological effect of substances consisting of a sensor layer according to [any of] Claim[s] 1 [to 11] which is in contact with the sample to be assayed, and of an imaging system in whose detection zone a part or whole of the sensor layer is located.

#### Remarks

By way of this Preliminary Amendment, claims 1-26 are pending. Claims 3, 5, 7-12, 14-17, 20, 22, 24, and 25 have been amended to remove multiple claim dependencies. Additionally, Applicants note that the priority copy of the application contains a typographical error on page 2 at line 23. On page 2 at line 23 of the priority document, "EP 588 319" should read "EP 588 139." This typographical error has been corrected in the specification of the present application on page 2 at line 12.

Respectfully submitted,

*Jerrie L. Chiu*  
Jerrie L. Chiu  
Attorney for Applicants  
Reg. No. 41,670

**Bayer Corporation**  
400 Morgan Lane  
West Haven, CT 06516  
(Tel) (203) 812-3964  
(Fax) (203) 812-5492  
e-mail: [jerric.chiu.b@bayer.com](mailto:jerric.chiu.b@bayer.com)